

Sequence Listing

SEQUENCE LISTING

<110> HONDA, Mitsuo
MATSUO, Kazuhiro
KANEKIYO, Masaru

<120> A recombinant BCG vaccine

<130> 2005-0221A/WMC/00653

<140> 10/524,586

<141> 2005-02-15

<150> JP2002-237610

<151> 2002-08-16

<160> 5

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of artificial sequence: Synthetic oligonucleotide

<400> 1

aatggatcct atagtgcaga acctc 25

<210> 2

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of artificial sequence: Synthetic oligonucleotide

<400> 2

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<210> 3

<211> 706

<212> DNA

<213> Artificial Sequence

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<221> CDS

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<223> Description of Artificial Sequence: Synthetic polynucleotide

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	Pro	Ile	Val	Gln	Asn	Leu	Gln	Gly	Gln	Met	Val	His	Gln	Ala	Ile	
	1				5				10				15			

tcg	ccg	cgc	acc	ctg	aac	gcc	tgg	gtc	aag	gtc	gtc	gag	gag	aag	gcc	97
Ser	Pro	Arg	Thr	Leu	Asn	Ala	Trp	Val	Lys	Val	Val	Glu	Glu	Lys	Ala	
								1								

20										25					30					
ttc	tcg	ccg	gag	gtc	atc	ccg	atg	ttc	tcg	gcc	ctg	tcg	gag	ggc	gcc	145				
Phe	Ser	Pro	Glu	Val	Ile	Pro	Met	Phe	Ser	Ala	Leu	Ser	Glu	Gly	Ala					
			35					40					45							
acc	ccg	cag	gac	ctg	aac	acc	atg	ctg	aac	acc	gtc	ggc	ggc	cac	cag	193				
Thr	Pro	Gln	Asp	Leu	Asn	Thr	Met	Leu	Asn	Thr	Val	Gly	Gly	His	Gln					
		50					55					60								
gcc	gcc	atg	cag	atg	ctg	aag	gag	acc	atc	aac	gag	gag	gcc	gcc	gag	241				
Ala	Ala	Met	Gln	Met	Leu	Lys	Glu	Thr	Ile	Asn	Glu	Glu	Ala	Ala	Glu					
	65					70					75									
tgg	gac	cgc	ctg	cac	ccg	gtc	cac	gcc	ggc	ccc	atc	gca	ccg	ggc	cag	289				
Trp	Asp	Arg	Leu	His	Pro	Val	His	Ala	Gly	Pro	Ile	Ala	Pro	Gly	Gln					
	80				85					90					95					
atg	cgc	gag	cct	cgc	ggc	tcg	gac	atc	gcc	ggc	acc	acc	tcg	acc	ctc	337				
Met	Arg	Glu	Pro	Arg	Gly	Ser	Asp	Ile	Ala	Gly	Thr	Thr	Ser	Thr	Leu					
				100					105					110						
cag	gag	cag	atc	ggc	tgg	atg	acc	cac	aac	ccg	ccg	atc	ccg	gtc	ggc	385				
Gln	Glu	Gln	Ile	Gly	Trp	Met	Thr	His	Asn	Pro	Pro	Ile	Pro	Val	Gly					
			115					120					125							
gag	atc	tac	aag	cgc	tgg	atc	atc	ctg	ggc	ctg	aac	aag	atc	gtc	cgc	433				
Glu	Ile	Tyr	Lys	Arg	Trp	Ile	Ile	Leu	Gly	Leu	Asn	Lys	Ile	Val	Arg					
		130				135						140								
atg	tac	tcg	ccg	acc	tcg	atc	ctg	gac	atc	cgc	cag	ggt	ccg	aag	gag	481				
Met	Tyr	Ser	Pro	Thr	Ser	Ile	Leu	Asp	Ile	Arg	Gln	Gly	Pro	Lys	Glu					
	145					150					155									
ccg	ttc	cgc	gac	tac	gtc	gac	cgc	ttc	tac	aag	acc	ctc	cgc	gcc	gag	529				
Pro	Phe	Arg	Asp	Tyr	Val	Asp	Arg	Phe	Tyr	Lys	Thr	Leu	Arg	Ala	Glu					
	160				165					170					175					
cag	gcg	tcg	cag	gag	gtc	aag	aac	tgg	atg	acc	gag	acc	ctg	ctg	gtc	577				
Gln	Ala	Ser	Gln	Glu	Val	Lys	Asn	Trp	Met	Thr	Glu	Thr	Leu	Leu	Val					
				180				185						190						
cag	aac	gcc	aac	ccg	gac	tgc	aag	acc	atc	ctg	aag	gcc	ctg	ggt	ccg	625				
Gln	Asn	Ala	Asn	Pro	Asp	Cys	Lys	Thr	Ile	Leu	Lys	Ala	Leu	Gly	Pro					
			195					200					205							
ggc	gcc	acc	ctg	gag	gag	atg	atg	acc	gcc	tgc	cag	ggc	gtc	ggc	ggc	673				
Gly	Ala	Thr	Leu	Glu	Glu	Met	Met	Thr	Ala	Cys	Gln	Gly	Val	Gly	Gly					
		210					215					220								
ccg	ggc	cac	aag	gcg	cgc	gtc	ctg	taa	gggccc							706				
Pro	Gly	His	Lys	Ala	Arg	Val	Leu													
	225					230														

<210> 4

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of artificial sequence: Synthetic oligopeptide

<400> 4

Leu Glu Arg Phe Ala Val Asn Pro Gly Leu Leu Glu Thr Ser Glu
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<210> 5

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of artificial Sequence: Synthetic oligopeptide

<400> 5

Asn Ile Gln Gly Gln Met Val His Gln Ala Ile Ser Pro Arg Thr
1 5 10 15